



# Institute for Capacity Development (ICD)

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## Sustainable Rural Water Supply and Sanitation

### Course Objectives

On completion of the course, participants will be able to:

- Design and implement appropriate and sustainable solutions to water supply and sanitation for small, rural communities
- Assess water supply and sanitation needs for communities in villages
- Plan and implement water source evaluation and development programmes, including low-cost well drilling
- Facilitate community participation and management projects and programmes
- Design, cost and implement small sustainable water distribution, storage and treatment systems
- Evaluate the health impacts of community water supply and sanitation systems

### Target Groups

- Government officials
- Agriculture Extension Officer
- NGO officers
- Water department officials
- Community Health workers
- Local government officers
- Sector consultants
- Community workers

### Course Outline

- General Management Principles and Skills
- Understanding Sanitation
- Water pollution: Issues and management
- Waste Origins and community health
- Perceptions about Village Water Supply, Environmental Sanitation and the Relationship to Community Health
- Influence of Socio-cultural Norms on Rural Water Supply and Environmental Sanitation
- Community Management of Water Supply and Sanitation
- Government Responsibility for Rural Water Supply and Environmental Sanitation
- Linking Sanitation to clean water provision
- Waste collection and segregation
- Effective Provision of water
- Water quality management
- Water resources management

- Environment and water resources management
- Understating sanitation and water provision
- Hygiene education and promotion
- Emerging technologies in Solid waste management
- Development and Waste management
- Participatory approaches in Waste and Environmental management
- Designing, Implementing and monitoring community waste and environmental management programs
- Environmental policy and waste water treatment
- Groundwater flow and contamination
- Sanitary health education and promotion
- Rural hygiene and Pit latrines
- Sanitation technologies
- Management of water supply and sanitation projects
- Management options in rural water supply and sanitation
- Stakeholder involvement in water supply management
- Efficiency and Sustainability of the Village Water Supply and Environmental Sanitation
- Optimal Use of Water Supply Facilities
- Hygienic Use of Water Supply and Environmental Sanitation Facilities
- Consistent Use and Maintenance of Water Supply and Environmental Sanitation Facilities
- Operation and maintenance
- Water supply technology
- Integration of Gender into Water Supply and Sanitation
- Gender and equity in water supply and sanitation
- Government Responsibility for Rural Water Supply and Environmental Sanitation
- Community Based Approaches For Addressing Chemical Contamination
- Public Private Partnership in Rural Water Supply and Sanitation
- Cost recovery and financing of sanitation programmes
- Policy on water management and sanitation
- Database Management
- Action planning

Dates: 13<sup>th</sup> – 24<sup>th</sup> August 2018

Duration: 2 Weeks

Course Costs: US\$2850

Venue: Windhoek, Namibia